A8912-2

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

December 12, 1990

Contact: David L. Yowell
or Sally Shank
(918) 493-3516

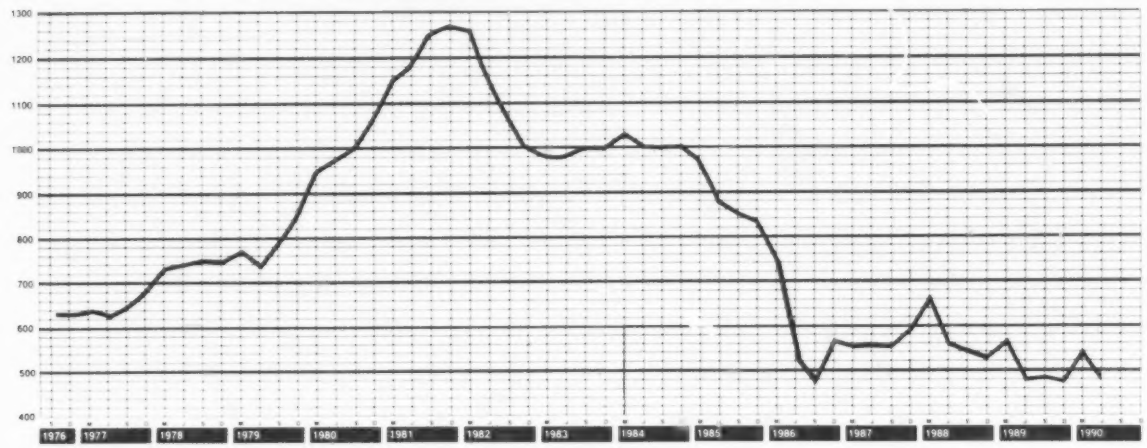
INTERNATIONAL SEISMIC CREW COUNT

WORLDWIDE SEISMIC OIL AND GAS EXPLORATION CREW AND VESSEL TOTAL
DECREASED SIGNIFICANTLY DURING JUNE OF 1990

Worldwide seismic exploration for oil and gas decreased by sixty-nine land crews and increased by seven marine vessel during June, 1990, for a net decrease of sixty-two crews and a total of 480 crews and vessels active around the world. "Spring Break" in April for ground thaw explains the decline in Canadian crew activity. Increases were reported in Mexico, Central & South America, Europe, Africa and the Far East.

The international survey reflects data reported on seismic oil exploration activity by 77 private and governmental crew operators around the world. Special significance is attached to the figures since seismic crew activity is recognized as the leading indicator of all petroleum exploration activity.

INTERNATIONAL SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity worldwide.)



INTERNATIONAL SEISMIC CREW COUNT, JUNE 1990

Geographically, seismic exploration for oil and gas during June, 1990 was reported as follows (March figures are shown in parentheses):

	UNITED STATES			CANADA	
	Land	Marine		Land	Marine
35 Contractors:	93 (98)	20 (19)	17 Contractors:	22 (97)	2 (0)
4 Oil Companies:	7 (9)	2 (2)	1 Oil Company	1 (1)	0 (0)
1 Government	0 (0)	1 (0)			
Totals:	100 (107)	23 (21)	Totals	23 (98)	2 (0)

(OVER)

MEXICO	Land	Marine
2 Contractors:	12 (11)	0 (0)
1 Government:	5 (5)	0 (0)
0 Oil Companies:	0 (0)	0 (0)
Totals:	17 (16)	0 (0)

CENTRAL & SOUTH AMERICA	Land	Marine
8 Contractors:	37 (35)	4 (7)
4 Governments:	18 (15)*	0 (1)*
1 Oil Company:	0 (0)	1 (1)
Totals:	55 (50)*	5 (9)*

EUROPE	Land	Marine
13 Contractors	27 (25)*	27 (20)*
1 Government:	1 (1)	0 (0)
2 Oil Companies:	13*(11)	0*(0)
Totals:	41*(37)*	27*(20)*

MIDDLE EAST	Land	Marine
6 Contractors:	25 (31)	2 (2)
3 Governments:	11 (8)	0 (0)
0 Oil Companies:	0 (0)	0 (0)
Totals:	36 (39)	2 (2)

AFRICA	Land	Marine
9 Contractors:	39 (34)	6 (9)
2 Governments:	14*(11)*	0*(0)*
0 Oil Companies:	0 (0)	0 (0)
Totals:	53*(45)*	6*(9)*

FAR EAST	Land	Marine
9 Contractors:	31 (33)	15 (11)
1 Government:	42*(40)*	1*(2)*
1 Oil Company:	1 (3)*	0 (0)*
Totals:	74*(76)*	16*(13)*

JUNE TOTALS:

	Land Crews	Marine Vessels
United States:	100 (107)	23 (21)
Canada:	23 (98)	2 (0)
Mexico:	17 (16)	0 (0)
Central & South America:	55 (50)*	5 (9)*
Europe:	41*(37)*	27*(20)*
Middle East:	36 (39)	2 (2)
Africa:	53*(45)*	6*(9)*
Far East:	74*(76)*	16*(13)*
Totals:	399*(468)*	81*(74)*
Total Crews and Vessels:	480*(542)*	

*These totals include estimates from informed industry sources of additional unreported crews and vessels.

A89.12-2

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE April 12, 1991

Contact: David L. Yowell
or Sally Shank
(918) 493-3516

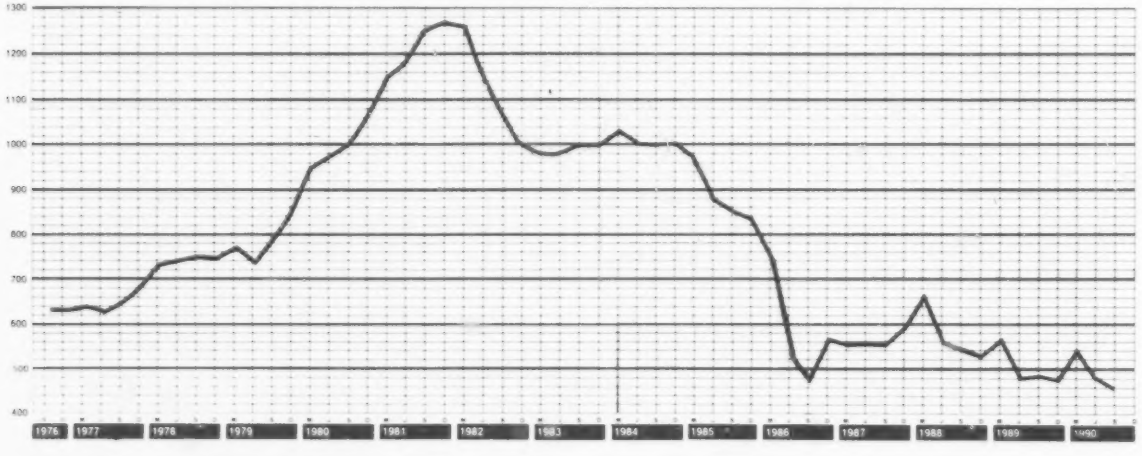
INTERNATIONAL SEISMIC CREW COUNT

WORLDWIDE SEISMIC OIL AND GAS EXPLORATION CREW AND VESSEL TOTAL
DECREASED AGAIN DURING SEPTEMBER OF 1990

Worldwide seismic exploration for oil and gas decreased by twenty-four land crews and increased by three marine vessel during September, 1990, for a net decrease of twenty-one crews and a total of 459 crews and vessels active around the world. Increases were reported in the United States, Canada, Mexico, Europe, the Middle East, and the Far East. The large drop in the number of land crews operating in the Far East is due to the rainy season in India.

The international survey reflects data reported on seismic oil exploration activity by 81 private and governmental crew operators around the world. Special significance is attached to the figures since seismic crew activity is recognized as the leading indicator of all petroleum exploration activity.

INTERNATIONAL SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity worldwide.)



INTERNATIONAL SEISMIC CREW COUNT, SEPTEMBER 1990

Geographically, seismic exploration for oil and gas during September, 1990 was reported as follows (June figures are shown in parentheses):

	UNITED STATES			CANADA	
	Land	Marine		Land	Marine
34 Contractors:	93 (93)	23 (20)	20 Contractors:	30 (22)	3 (2)
5 Oil Companies:	8 (7)	2 (2)	1 Oil Company	1 (1)	0 (0)
1 Government	0 (0)	0 (1)			
Totals:	101 (100)	25 (23)	Totals	31 (23)	3 (2)

(OVER)

MEXICO	Land	Marine
Contractors:	14 (12)	0 (0)
Government:	5*(5)	0*(0)
Oil Companies:	0 (0)	0 (0)
Totals:	19*(17)	0*(0)

CENTRAL & SOUTH AMERICA	Land	Marine
8 Contractors:	27 (37)	3 (4)
4 Governments:	15*(18)	0*(0)
1 Oil Company:	0 (0)	1 (1)
Totals:	42*(55)	4*(5)

EUROPE	Land	Marine
4 Contractors	30 (27)	31 (27)
1 Government:	1 (1)	0 (0)
2 Oil Companies:	12 (13)*	0 (0)*
Totals:	43 (41)*	31 (27)*

MIDDLE EAST	Land	Marine
4 Contractors:	31 (25)	0 (2)
3 Governments:	11 (11)	0 (0)
0 Oil Companies:	0 (0)	0 (0)
Totals:	42 (36)	0 (2)

AFRICA	Land	Marine
8 Contractors:	39 (39)	3 (6)
2 Governments:	15*(14)*	0*(0)*
0 Oil Companies:	0 (0)	0 (0)
Totals:	54*(53)*	3*(6)*

FAR EAST	Land	Marine
9 Contractors:	36 (31)	16 (15)
1 Government:	6*(42)*	0*(1)*
2 Oil Companies:	1 (1)	2 (0)
Totals:	43*(74)*	18*(16)*

EPTEMBER TOTALS:

	Land Crews	Marine Vessels
United States:	101 (100)	25 (23)
Canada:	31 (23)	3 (2)
Mexico:	19*(17)	0*(0)
Central & South America:	42*(55)	4*(5)*
Europe:	43 (41)*	31 (27)*
Middle East:	42 (36)	0 (2)
Africa:	54*(53)*	3*(6)*
Far East:	43*(74)*	18*(16)*
Totals:	375*(399)*	84*(81)*
Total Crews and Vessels:	459*(480)*	

These totals include estimates from informed industry sources of additional unreported crews nd vessels.

A8912-2

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE August 14, 1991

Contact: David L. Yowell
or Sally Shank
(918) 493-3516

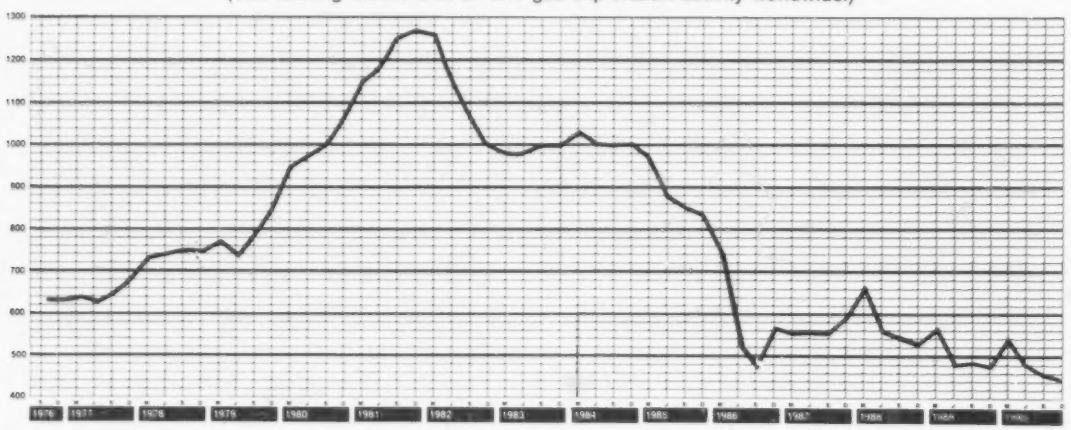
INTERNATIONAL SEISMIC CREW COUNT

WORLDWIDE SEISMIC OIL AND GAS EXPLORATION CREW AND VESSEL TOTAL
DECREASED FOR THE THIRD CONSECUTIVE QUARTER DURING DECEMBER OF 1990

Worldwide seismic exploration for oil and gas decreased by six land crews and nine marine vessel during December, 1990, for a net decrease of fifteen crews and a total of 444 crews and vessels active around the world. Increases were reported in Canada, Mexico, and Central & South America. The large drop in the number of crews operating in Europe was caused by bad weather conditions.

The international survey reflects data reported on seismic oil exploration activity by 82 private and governmental crew operators around the world. Special significance is attached to the figures since seismic crew activity is recognized as the leading indicator of all petroleum exploration activity.

INTERNATIONAL SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity worldwide.)



INTERNATIONAL SEISMIC CREW COUNT, DECEMBER 1990

Geographically, seismic exploration for oil and gas during December, 1990 was reported as follows (September figures are shown in parentheses):

	UNITED STATES			CANADA	
	Land	Marine		Land	Marine
34 Contractors:	91 (93)	20 (23)	24 Contractors:	52 (30)	0 (3)
5 Oil Companies:	7 (8)	3 (2)	1 Oil Company	1 (1)	0 (0)
1 Government	0 (0)	0 (0)			
Totals:	98 (101)	23 (25)	Totals	53 (31)	0 (3)

(OVER)

MEXICO	Land	Marine
4 Contractors:	16 (14)	0 (0)
1 Government:	5*(5)*	0*(0)*
0 Oil Companies:	0 (0)	0 (0)
Totals:	21*(19)*	0*(0)*

CENTRAL & SOUTH AMERICA	Land	Marine
7 Contractors:	32 (27)	3 (3)
4 Governments:	12*(15)*	0*(0)*
0 Oil Companies:	0 (0)	0 (1)
Totals:	44*(42)*	3*(4)*

EUROPE	Land	Marine
13 Contractors	29 (30)	21 (31)
1 Government:	1 (1)	0 (0)
1 Oil Company:	2 (12)	0 (0)
Totals:	32 (43)	21 (31)

MIDDLE EAST	Land	Marine
7 Contractors:	21 (31)	3 (0)
3 Governments:	9*(11)	0*(0)
0 Oil Companies:	0 (0)	0 (0)
Totals:	30*(42)	3*(0)

AFRICA	Land	Marine
7 Contractors:	33 (39)	10 (3)
2 Governments:	13*(15)*	0*(0)*
0 Oil Companies:	0 (0)	0 (0)
Totals:	46*(54)*	10*(3)*

FAR EAST	Land	Marine
9 Contractors:	37 (36)	14 (16)
1 Government:	6*(6)*	0*(0)*
2 Oil Companies:	2 (1)	1 (2)
Totals:	45*(43)*	15*(18)*

DECEMBER TOTALS:

	Land Crews	Marine Vessels
United States:	98 (101)	23 (25)
Canada:	53 (31)	0 (3)
Mexico:	21*(19)*	0*(0)*
Central & South America:	44*(42)*	3*(4)*
Europe:	32 (43)	21 (31)
Middle East:	30*(42)	3*(0)
Africa:	46*(54)*	10*(3)*
Far East:	45*(43)*	15*(18)*
Totals:	369*(375)*	75*(84)*
Total Crews and Vessels:	444*(459)*	

*These totals include estimates from informed industry sources of additional unreported crews and vessels.